

Titles of most frequently occurring classifications of patents returned
from a search of 10598796 on May 19, 2008

- 7 704/E19.01 (0 OR, 7 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/E19.001 SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
 REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
 SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
 MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)
 704/E19.01 ..Using spectral analysis, e.g., transform vocoders, subband
 vocoders, perceptual audio coders, psychoacoustically based lossy encoding, etc.,
 e.g., MPEG audio, Dolby AC-3, etc. (EPO)
- 5 704/200.1 (2 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/200.1 ..Psychoacoustic
- 4 704/211 (2 OR, 2 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission
 704/211 ...Time
- 4 704/203 (1 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission
 704/203 ...Transformation
- 3 704/206 (0 OR, 3 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission
 704/205 ...Frequency
 704/206Specialized information
- 2 704/E19.03 (0 OR, 2 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/E19.001 SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
 REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
 SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
 MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)
 704/E19.023 ..Using predictive techniques; codecs based on source-filter
 modelization (EPO)
 704/E19.026 ...Determination or coding of the excitation function;
 determination or coding of the long-term prediction characteristics (EPO)
 704/E19.03Using sinusoidal excitation model (EPO)
- 2 704/E19.042 (0 OR, 2 XR)
 Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/E19.001 SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
 REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
 SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
 MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)

704/E19.023 ..Using predictive techniques; codecs based on source-filter
 modelization (EPO)
 704/E19.039 ...Details of speech and audio coders (EPO)
 704/E19.04Vocoder architecture (EPO)
 704/E19.041Vocoders using multiple modes (EPO)
 704/E19.042Using sound class specific coding, hybrid encoders,
 object-based coding (EPO)

2 704/500 (1 OR, 1 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/500 .AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSION

2 704/E19.02 (0 OR, 2 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/E19.001 .SPEECH OR AUDIO SIGNAL ANALYSIS-SYNTHESIS TECHNIQUES FOR
 REDUNDANCY REDUCTION, E.G., IN VOCODERS, ETC.; CODING OR DECODING OF SPEECH OR AUDIO
 SIGNALS; COMPRESSION OR EXPANSION OF SPEECH OR AUDIO SIGNALS, E.G., SOURCE-FILTER
 MODELS, PSYCHOACOUSTIC ANALYSIS, ETC. (EPO)
 704/E19.01 ..Using spectral analysis, e.g., transform vocoders, subband
 vocoders, perceptual audio coders, psychoacoustically based lossy encoding, etc.,
 e.g., MPEG audio, Dolby AC-3, etc. (EPO)
 704/E19.02 ...Using orthogonal transformation (EPO)

2 708/322 (1 OR, 1 XR)

Class 708 ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING AND CALCULATING
 708/100 .ELECTRICAL DIGITAL CALCULATING COMPUTER
 708/200 ..Particular function performed
 708/300 ...Filtering
 708/322Adaptive

2 704/220 (0 OR, 2 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission
 704/220 ...Analysis by synthesis

2 704/219 (1 OR, 1 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission
 704/219 ...Linear prediction

2 704/261 (0 OR, 2 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/258 ...Synthesis
 704/261 ...Vocal tract model

2 704/229 (1 OR, 1 XR)

Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
 LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
 704/200 .SPEECH SIGNAL PROCESSING
 704/201 ..For storage or transmission
 704/229 ...Adaptive bit allocation

2 361/79 (1 OR, 1 XR)

Class 361 ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
 361/1 .SAFETY AND PROTECTION OF SYSTEMS AND DEVICES

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361/78 ..With specific quantity comparison means
361/79 ...Voltage and current

2 704/503 (1 OR, 1 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/503 ..AUDIO SIGNAL TIME COMPRESSION OR EXPANSION (E.G., RUN
LENGTH CODING)

2 704/226 (1 OR, 1 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 ..SPEECH SIGNAL PROCESSING
704/201 ...For storage or transmission
704/226 ...Noise

2 704/501 (0 OR, 2 XR)
Class 704 DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS,
LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/500 ..AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSION
704/501 ...With content reduction encoding

2 702/195 (1 OR, 1 XR)
Class 702 DATA PROCESSING: MEASURING, CALIBRATING, OR TESTING
702/127 ..MEASUREMENT SYSTEM
702/189 ...Measured signal processing
702/190 ...Signal extraction or separation (e.g., filtering)
702/191 For noise removal or suppression
702/194 By mathematical attenuation (e.g., weighting,
averaging)
702/195 Subtracting noise component

2 703/14 (1 OR, 1 XR)
Class 703 DATA PROCESSING: STRUCTURAL DESIGN, MODELING, SIMULATION,
AND EMULATION
703/13 ..SIMULATING ELECTRONIC DEVICE OR ELECTRICAL SYSTEM
703/14 ..Circuit simulation

2 600/545 (2 OR, 0 XR)
Class 600 SURGERY
600/300 ..DIAGNOSTIC TESTING
600/544 ...Detecting brain electric signal
600/545 ...With feedback of signal to patient